ELECTRONICS FACILITIES IN CUBA

ANNEX 1B

CARRIER FACILITIES AND TOLL CIRCUITS OF THE CUBAN TELEPHONE COMPANY

CIA/RR EP 60-73-S1B

November 1960

CENTRAL INTELLIGENCE AGENCY

OFFICE OF RESEARCH AND REPORTS

CONTENTS

Carrier Facilities as of 4 October 1960

Toll Circuit Layout (1957-60 Construction Program)

Aguila, Guanabo, Mantanzas, and	
Santa Clara	1 of 7
Aguila, A. Arenas, Artemisa, and	
Guane	2 of 7
Santa Clara and Santiago de Cuba	3 of 7
Alquizar, Habana, Guines, and	
Agramonte	4 of 7
Batabano and Cienfuegos	5 of 7
Jibacoa and Nuevitas	6 of 7
Cacocum, Holguin, P. Padre, Alto	
Cedro, Antilla, Banes, Dos Caminos,	
Guantanamo, and Baracoa	7 of 7

For a diagram of the basic network, see Figure 1 of CIA/RR EP 60-73

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-	CARI	RIER TER	MINALS .	CAR	PRIER REPEATERS		MISCELLANEOUS	EDICION. S-21-57
SYMBOL	MFR	LINE FREQ.			MEANING	SYMBOL	DESCRIPTION	
FM	PANHANDLE	50-335	STACKABLE UP TO TEN SINGLE CHANNELS.	\Diamond	FTR 9FI SINGLE CHANNEL		L.D. TELEPHONE	
	FTR	3.5-10	941 SINGLE CHANNEL	8	WE. "C" 3 CHANNELS.	-0-0-0-	PARTY LINE	
	FTR	3.6-12.4	942-1 " " "	8	FTR 981 3 CHANNELS		CUT IN STATION	
	FTR	13.6-22.9	942-2 " " "	\otimes	LENKURT 32E 3 CHANNELS		PHYSICAL EQUIPPED WITH 75, 76,77 00 93 A COIL.	
⟨1⟩	FTR	13.6 - 21.1	951 " " "	D 3	CTC SOU 12- CHANNELS	Œ	PHANTOM GROUP EN 75, 76 or 93 COILS ON SIDE CIRCUITS NO CHL	
0	WE.	4.15 - 10.15		\boxtimes	LENKURT 45A 12 CHNNELS		ON PHANTOM CIRCUIT. PHANTOM GROUP FIN 75,7E or \$	
30	FTE	6-30	981 3 CHANNEL	M	LENKURT 45 BN 24 CHANNELS	<u>F</u>	COILS ON SIDE CIRCUITS 938 OF 028 COIL ON PHINTON.	
<u></u>	WE.	6-30	*C" 3 CHANNEL	S	W.E. OB 4 CHANNELS		TRA REP. COLL	
30	LENKURT	6-30	32 E 3 CHANNEL	×	LENKURT 45 CB 4 CHANNELS		VOICE REPEATER HYBRID TYPE SERIES ON HYBRID TYPE	
3 0	LENKURT	3.3 -35	32 E 4 CHBNNEL	E	LENKURT 45CC 4 CHANNELS	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	PROGRAM AMPLIFIER	
							COMPOSITE SET ON SIDE CT.	
					1		SUGAR MILL	
1.5	STC	36-140	SOJ 12-CHANNELS	LINE FILTERS		222	RADIO LINK	
	LENKURT	40-150	45A IZ- CHANNEL THREE GROUPS OF FOUR CHANNELS	•			OUTGOING DIAL TRUNK.	
	LENKURT	40-264	45 BN 24 CHANNELS IN SIX GROUPS OF	<u> </u>	3KC. FILTER			
	· · · · ·	40-150	FOUR CHANNELS,		4 KC. 902 A FILTER		·	
12	LENKURT	40-150	GROUP EQUIPMENT.	5	WE IZI 5 KC FILTER			
24	LENKURT	40-264	BASE GROUP EQUIPMENT	<u> </u>	STC. SOJ HF. FILTER.			
				×	ALSO TYPE OFILTER			·
	w.E.	40-76	WE OF 4-CHANNEL	8	BRIDGE FILTER.			
C#	LENKURT	40-76	45CB 4-CHANNEL	[0]	10 KC. FILTER (FTR. 9044)			
	LENKURT	80-116	45 CC 4- CHANNEL					CUBAN TELEPHONE COMPANY
				E0	08/45 CB. LINE FILTER			
THIS SYMBOL INDICATES THAT THE CHANNELS ARE DROPPED TO VAICE FREQUENCY WIEN ASSOCIATED WITH AS TYPE EQUIPMENT.		WEN ASSOCIATED WITH		cc 45 CC. LINE FILTER.			TOLL CIRCUIT LAYOUT MAPS	
শৃত্ব .			VF. TELEGREEN TERMINAL NUMBER INDICATES NO. CHAMBE					SYMBOLS
								All Meller Deviner States States Process States Sta
<u> </u>				1				SELLY STUPENION TO THE THE TEXT OF THE SELLY STUDEN

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FROM	TO	ONE CHAN	NEL CARRIER	THREE CHAN	NEL CARRIER	FOUR CHANN	EL CARRIER	SEVEN CHA	HHEL CARNER	TWEIVE CHA	MHELCARRIER		
CENTRAL	CENTRAL	TYPE	QUANTITY	TYPE	QUANTITY	TYPE	QUANTITY	TYPE	QUANTITY	TYPE	QUANTITY		
OFFICE	OFFICE												
AHAVAHA	CARDENAS	i i		Mix & Gen ZS N	_ 3								
2) "	HOLGUIN			11 4 16	3						, 1		
3) "	CAMAGUEY			R.E.P. "C"	3		1			MIX & Gen-ZIZ F	6		
4) "	SAGUA GRANDE	1								n 11 11	4		
5) "	CIEGO AVILA	,		R.E.P. C"	3								
4) h	SANTA CLARA					,	ļ :				12	[
7) 11	STGO. CUBA				ĺ						10		
8) "	VARABERO]								' " '	9		
a) ,,	CARDENAS			FTR-9BI	3 .		1	1					
10) "	V. TUNAS			R.E.P "C"	3		ļ	-	1	1			-
11) "	STO. VEGAS			1	}					M11-Gen 212 N	48	l	
AMAVAH (SI	KEY WEST							, K.	7	· L.	24		
13) COTORRO	CAMAGUEY			FTR- 951	3					1			
11	CIENFUEGOS	1		. н н	3	1	10		1	Ī	1		
11	SANTA CLARA			h 11	6	Į.			ŀ	Į	Į l		
	VARADERD				3	0		ļ	ł	1			
h	STGO DE CUBA				-					ຸນ,	12	·	
14) STO VEGAS	PINAR SEL RIO	*				LYNCH - B500	4					*	
15) PINAR DEL RIO	ARTEMISA	FM PANHO.	2	-	-	· ·		1	ľ	1			,
K) " "	STGO VEGAS	-	-	FTR 981	3		}	ļ	ļ				
(7) • "		FANCH BS8	١ ،	*	1		j .	Į	ł			-	
18) " "	S.J. MARTINEZ	LYNCH BZ8	١					i	İ				
19) CAMAGUEY	CIEGO AVILA	W.ELECTRIC H.I	1							Mix & Gen 212 F	. \		
50) "	STA. LUCIA	W. ELECTRIC HI	1							l .	1	l .	
21) "	ESMERAL DA	FTR 9HT	ŧ				1		1				
1 11		FTR 9H2	ı				1		1	1	ł		İ
22) 11	STA. CRUZ	FTR 9HI	1	1								i	
11	. "	FTR 9H2			1					1			1
23) "	FLORIDA	FM PANH.	10	1	1	l	l a			1	ł	ļ	ļ
24) "	NUEVITAS	FM PANH.	۵				-	1			١ .	l	l
25) "	STA. CLARA	-	_					1		MIK & Gen ZIZ F	2		
1 A Comp. 1	20000	WELECTRIC HI	' '				1			Mix & Gen. 2121	. 8		·
26) STGO. CUBA			I :	FTR 981	3	Lynch BGOJ	8			"-	-		
27) • ''	GUANTAHAMO	FTR 9F1	*	[15, 36]	-			† ·		1	1 -	1	1 .
28)	MAYARI		ـ نـ.ا	1	الممامة		b	1,,,,,,,		Mykegen ZIZ F	6		1 '
	PAGE 2	FA pprov	red For I	telease 2	4002/02/1	 1 : СІА- F	RDP79T01	Ф49A002	1000300	V 1-4]
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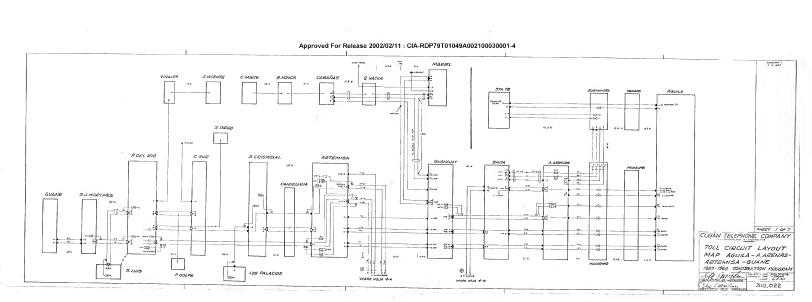
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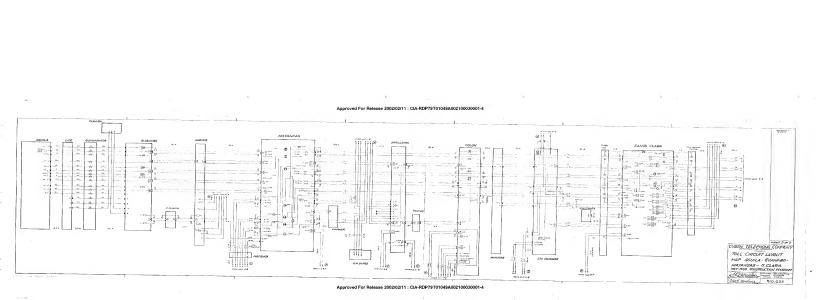
TO THREE CHANNEL CARRIER FOUR CHANNEL CARRIER ONE CHANNEL CARRIER TWELVE CHANNEL CARRIER FROM SEVEN CHANNEL CARRER TYPE TYPE QUANTITY QUARTITY QUANTITY TYPE YTITHAUD TYPE QUANTITY OFFICE OFFICE FTR 9AI 29) STG0, CUBA PALMA SORIAN FTR 9H2 W.E lectric H SAN LUIS (O) 51) FTR 9F1 32) CAMAGUEY W. E. H-1 ١ FTR 981 35) HOLGUIN FTR 981 9 Mixt Gen. Z12F MANZAHILLO; FTR 981 4 35) GIBARA W.E H-1 24) l 51) " ANTILLA Mazgen 212 F 38) STA. CLARA Mix & Gen Z12 F 65 ATA . C - ATA SAGUA GRANDE 5 MIKEGO ZIZF STL SPIRITUS FTR 9A1 2 TRINIDAD W.E. H-50) D. FTR 9H2 CAIBARIEN FM PAN H. 6 61) ... PLACETAS FM PAN H. 62, CAMAJUANI FTR 9F1 63) CIENFOEGOS FTR 9H2 Mix & Gen ZIZF CASHATANI, 28 JOVELLAINS FTR 9AT 64) " FM PAN H. 47) CIENTIES CROCES FM PAN H 6R) 11 RANCHUELD , EM PAN H 69) MANICARAGUA FM PAN H STO. DOMINGO FTR 9H2 76) 2 71) HOLGOIN PUERTO PADRE FTR BH2 72) CIEGO AVILA: MORON 11 FM PAN H. 12 7) CARDENAS COLON FTR 9H2 VARADERO FM PANH 75) STI SPIRITOS PLACETAS FM PANH 2 14) GUANTANAMO BARACOA , FTR SAI CAIMANERA FAPPROVED For Release 2002/02/11 : CIA-RDP79T01049A002100030001-4

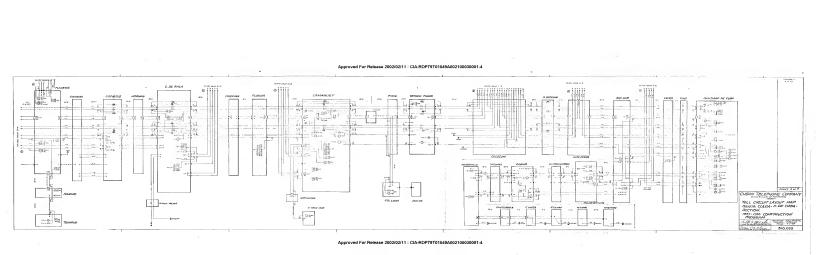
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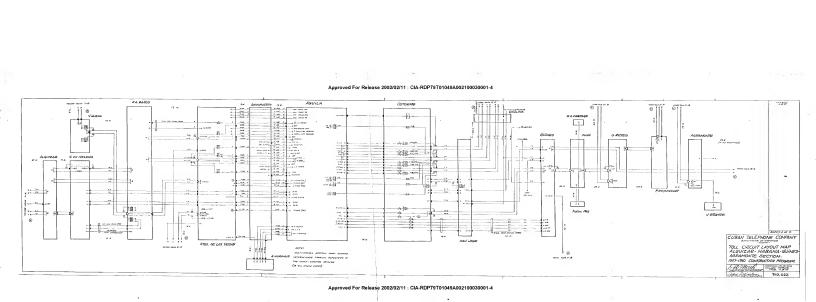
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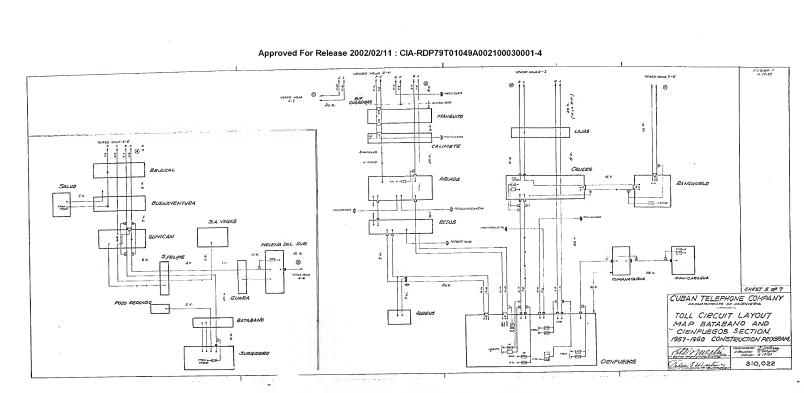
	FROM	٥٦	ONE CHANNE	CARRIER	THREE CHANNEL CARRIER		FOUR CHANNEL CARRIER		SEVEN CHANNEL CARRER		TWELVE CHANNEL CARRIER			
į	OFFICE	CENTRAL	TYPE	QUANTITY	TYPE	YTITPALC	TYPE	RUNNTITY	TYPE	QUANTI-Y	TYPE	QUARTITY		•
	18) ARTEMSA	STGO. VEGAS	FTR-9A1	,										
	19) "	SAN CRISTOBAL		2										
	OMAYAB (08	MANZANILLO	FTR 9H2	1						,	MIK 4 Gen Z12 F	2		*
	81) "	PALMA SORIANO	1 7	1				_						
				_										
	RZ) CAIBARIE N	PLACETAS	LYNCH BZB	3		1						1		
	(S3) ⁽¹	REMEDIOS	FM PANH	2		İ						- 0		
	8·1) "	YACAUDAY	TANCH BSB	2										
	85) COLON	AGUADA P.	FTR-942	١	İ									
	84) 11	COTORRO	W. Blective H-1	١.,]					ľ		l		
	87) PLACETAS		FM PAN H.	3	}	l				·	4.			
	88) "	FOMENTO	FM PANH.	2			ļ							
	99) "	TRINIDAD	FM PAN H.	1	ļ									
	90) "	YACADAY	FM PANH.	. 3										
	91) S. ANTONIO B.	VEREDA NUEVA	FM PAN H.	6										
	92) A. ARENAS	YALAHADƏ	FTR - 9 H2	١		<u> </u>			·					
	93) COTORRO	SAN JOSE	FM PAN H.	3										
	OBANAUD (16	AGUILA	FM PAN H.	10					4					
	95) SAN CRISTOBAL	LOS PALACIOS	FM PAN H.	1							į			
	96) IGUARÁ	YACAUDAY	FM PAN H	١				×						
	97) MAYARI	S. TANKMO	LYNCH B28	2							1.			
	98) TRINIDAD	FOMENTO	FM PAN H.	1										i P
	TOTALS F	TR CHANNE	LS	35		33		= -::						
	TOTALS WELECTRIC CHANNELS 8									_	1	1 =		I
	TOTALS LYNCH CHANNELS 9					=		12		_		L		
- 1		FM PANHAN		91		- '				-				
		R. ENG. PRO		_		9				-		_		
•	TOTALS OTHERS CHANNELS				L .	20001001			0.40.4.00.5	10070-	4. 4	36		
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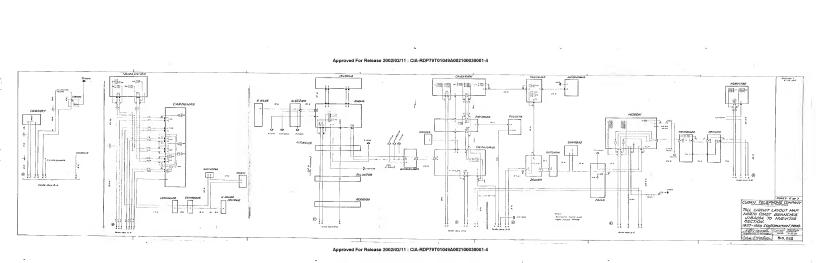


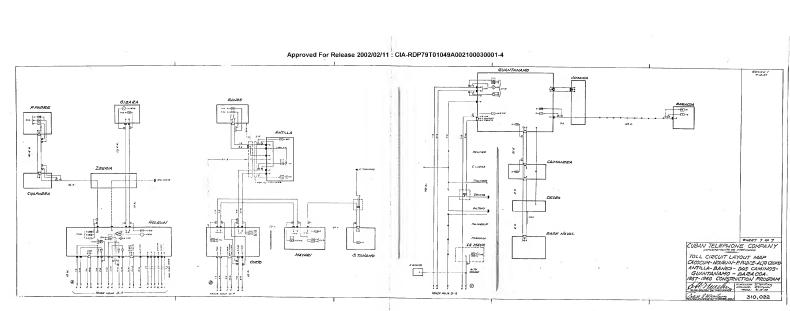












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